

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for using workflows, the method comprising ~~the steps of:~~
associating workflows with one or more domains ~~groups~~ in an identity system, ~~each domain comprising one or more entities; each group including one or more users of the identity system;~~
receiving a request to perform a task that ~~pertains to~~ affects at least one ~~target~~ identity profile ~~of associated with~~ an entity in said identity system; ~~and~~
determining from said one or more domains, a domain that includes said entity with which said at least one identity profile is associated;
determining a set of workflows associated with said domain and capable of performing said task;
outputting said set of workflows to a user;
receiving from said user a selection of a first workflow from said set of workflows; and
performing [[a]] said first workflow for said task; ~~; said first workflow is associated with a first group that includes the target identity profile;~~
wherein:
said request includes an identification of said ~~target~~ at least one identity profile; ~~;~~
~~said step of performing includes the steps of identifying a plurality of workflows that perform said task and are associated with groups that include said target identity profile; said plurality of workflows includes said first workflow, reporting said plurality of workflows to a user via a Graphical User Interface (GUI), receiving from the user via the GUI a selection of said~~

~~first workflow from the plurality of workflows, and performing one or more steps of said first workflow;~~

~~said first workflow comprises a predefined set of steps that perform said task to modify one or more attributes of the target identity profile, said predefined set of steps comprising a first step and a second step;~~

~~said first step is performed by a first program;~~

~~said second step is performed by a second program;~~

~~information is passed between said first program and said second program according to a defined set of rules; and~~

~~at least one of the first program and the second program is external to the workflow.~~

2. (Currently Amended) A method according to claim 1, wherein:

~~said step of associating includes associating said first workflow with said first group domain, said step of associating said first workflow includes choosing a first entry in [[a]] said data structure, said data structure is a hierarchical data structure of entities in [[the]] said identity system, said first domain includes said first entry and entries below said first entry.~~

3.-4. (Canceled)

5. (Currently Amended) A method according to claim 1, wherein:

~~said request is a request to delete said target at least one identity profile.~~

6. (Currently Amended) A method according to claim 1, wherein:

~~said request is a request to modify said target at least one identity profile.~~

7-8. (Canceled)

9. (Original) A method according to claim 1, wherein:

~~said steps of associating, receiving and performing are performed by an integrated identity and access system.~~

10. (Original) A method according to claim 1, wherein:
said request is for self-registration.

11. (Original) A method according to claim 1, wherein:
said request is from a parent workflow; and
said first workflow is a sub-workflow to said parent workflow.

12. (Canceled)

13. (Previously Presented) A method according to claim 2, wherein:
said hierarchical data structure includes an LDAP directory.

14. (Currently Amended) One or more processor readable storage devices storing plurality of instructions causing a processor to use workflows for performing tasks, said plurality of instructions comprising code for: having processor readable code embodied on said processor readable storage devices, said processor readable code for programming one or more processors to perform a method comprising the steps of:

associating workflows with one or more domains groups in an identity system, each domain comprising one or more entities; each group including one or more users of the identity system;

receiving a request to perform a task that pertains to affects at least one target identity profile of associated with an entity in said identity system; and

determining from said one or more domains, a domain that includes said entity with which said at least one identity profile is associated;

determining a set of workflows associated with said domain and capable of performing said task;

outputting said set of workflows to a user;

receiving from said user a selection of a first workflow from said set of workflows; and

performing ~~[[a]]~~ said first workflow for said task₁; ~~said first workflow is associated with a first group that includes the target identity profile;~~

wherein:

said request includes an identification of said target at least one identity profile;

~~said step of performing includes the steps of identifying a plurality of workflows that perform said task and are associated with groups that include said target identity profile, said plurality of workflows includes said first workflow, reporting said plurality of workflows to a user via a Graphical User Interface (GUI), receiving from the user via the GUI a selection of said first workflow from the plurality of workflows, and performing one or more steps of said first workflow;~~

~~said first workflow comprises a predefined set of steps that perform said task to modify one or more attributes of the target identity profile, said predefined set of steps comprising a first step and a second step;~~

~~said first step is performed by a first program;~~

~~said second step is performed by a second program;~~

~~information is passed between said first program and said second program according to a defined set of rules; and~~

~~at least one of the first program and the second program is external to the workflow.~~

15. (Currently Amended) One or more processor readable storage devices according to claim 14, wherein:

said step of associating includes associating said first workflow with said ~~first group~~ domain, said step of associating said first workflow includes choosing a first entry in ~~[[a]]~~ said data structure, said data structure is a hierarchical data structure of entities in ~~[[the]]~~ said identity system, said ~~first~~ domain includes said first entry and entries below said first entry.

16-19. (Canceled)

20. (Original) One or more processor readable storage devices according to claim 14, wherein:

said steps of associating, receiving and performing are performed by an integrated identity and access system.

21. (Original) One or more processor readable storage devices according to claim 14, wherein:

said request is from a parent workflow; and

said first workflow is a sub-workflow to said parent workflow.

22. (Canceled)

23. (Previously Presented) One or more processor readable storage devices according to claim 15, wherein:

said hierarchical data structure includes an LDAP directory.

24. (Currently Amended) An apparatus that uses workflows, comprising:
a communication interface;

one or more ~~processor~~ processors in communication with said communication interface, said one or more processors perform a method comprising the steps of:

associating workflows with one or more domains ~~groups~~ in an identity system, each domain comprising one or more entities; each group including one or more users of the identity system;

receiving a request to perform a task that ~~pertains to~~ affects at least one ~~target~~ identity profile ~~of associated with~~ an entity in said identity system; and

determining from said one or more domains, a domain that includes said entity with which said at least one identity profile is associated;

determining a set of workflows associated with said domain and capable of performing said task;

outputting said set of workflows to a user;

receiving from said user a selection of a first workflow from said set of workflows; and

performing [[a]] said first workflow for said task₁; ~~said first workflow is associated with a first group that includes the target identity profile;~~

wherein:

said request includes an identification of said ~~target~~ at least one identity profile₂;

~~said step of performing includes the steps of identifying a plurality of workflows that perform said task and are associated with groups that include said target identity profile, said plurality of workflows includes said first workflow, reporting said plurality of workflows to a user via a Graphical User Interface (GUI), receiving from the user via the GUI a selection of said first workflow from the plurality of workflows, and performing one or more steps of said first workflow;~~

~~said first workflow comprises a predefined set of steps that perform said task to modify one or more attributes of the target identity profile, said predefined set of steps comprising a first step and a second step;~~

~~said first step is performed by a first program;~~

~~said second step is performed by a second program;~~

~~information is passed between said first program and said second program according to a defined set of rules; and~~

~~at least one of the first program and the second program is external to the workflow.~~

25. (Currently Amended) An apparatus according to claim 24, wherein:

said step of associating includes associating said first workflow with said ~~first group domain~~, said step of associating said first workflow includes choosing a first entry in a data structure, said data structure is a hierarchical data structure of entities in the identity system, said first domain includes said first entry and entries below said first entry.

26-29. (Canceled)

30. (Original) An apparatus according to claim 24, wherein:
said one or more processors are part of an integrated identity and access system.

31. (Original) An apparatus according to claim 24, wherein:
said request is from a parent workflow; and
said first workflow is a sub-workflow to said parent workflow.

32. (Canceled)

33. (Previously Presented) An apparatus according to claim 25, wherein:
said hierarchical data structure includes an LDAP directory.

34. (Currently Amended) A method according to claim 1, wherein said task
comprises managing said ~~target~~ at least one identity profile.

35. (Currently Amended) A method according to claim 34, wherein managing
said at least one identity profile comprises one or more tasks selected from ~~the group consisting~~
~~of~~: creating a user, deleting a user, changing a user attribute, creating a group, deleting a group,
and changing a group attribute.

36. (Currently Amended) A method according to claim 34, wherein managing
said at least one identity profile comprises managing a certificate associated with said at least
one identity profile.

37. – 40. (Canceled)

41. (Currently Amended) The method of claim ~~[[39]]~~ 1, wherein said first
workflow comprises a predefined set of steps and performing one or more steps of ~~the~~ said first
workflow to modify affects said at least one identity profile by modifying one or more attributes
of ~~the target~~ said at least one identity profile ~~includes~~ said modifying including deleting ~~the~~
~~target~~ said at least one identity profile.

42.-43. (Canceled).

44. (Currently Amended) The method of claim [[39]] 41, wherein said predefined set of steps comprising a first step and a second step;
said first step is performed by a first program;
said second step is performed by a second program;
information is passed between said first program and said second program
according to a defined set of rules; at least one of said first program and said second program is
external to the workflow and wherein said second program performs a second workflow to
modify one or more attributes of the ~~target~~ at least one identity profile.

45. (Currently Amended) The method of claim [[39]] 44, wherein ~~the~~ said
second program is identified in an event catalog of ~~the~~ said first workflow.

46. (Previously Presented) The method of claim 45, wherein the event catalog
further identifies one or more parameters for passing information between the first program and
the second program.

47. (Currently Amended) The method of claim 1, wherein identifying ~~the~~
~~plurality~~ said set of workflows that perform ~~the~~ said task and are associated with ~~the groups~~ said
domain that include the target includes said entity with which said at least one identity profile is
associated, further comprises identifying workflows of ~~the plurality~~ said set of workflows for
which a user issuing ~~the~~ said request to perform ~~the~~ said task is authorized.

48. (Currently Amended) The method of claim 47, wherein ~~the groups~~ said at
least one identity profile is a static member of a group, that include the target identity profile
~~include one or more groups to which the target identity profile is a static member.~~

49. (Currently Amended) The method of claim 48, wherein ~~the target~~ said at
least one identity profile is identified as a static member of ~~the~~ said one or more groups group
based on a group identity profile for ~~each of the one or more groups~~ said group.

50. (Currently Amended) The method of claim ~~[[49]]~~ 47, wherein said at least one identity profile is a dynamic member of a group, ~~the groups that include the target identity profile include one or more groups to which the target identity profile is a dynamic member.~~

51. (Currently Amended) The method of claim 50, wherein ~~the target~~ said at least one identity profile is identified as a dynamic member of ~~the one or more groups~~ said group based on application of a rule defined by ~~the a~~ a group identity profile for ~~each of the one or more groups~~ said group.

52. (Currently Amended) The method of claim ~~[[51]]~~ 47, wherein said at least one identity profile is a nested member of a group, ~~the groups that include the target identity profile include one or more groups to which the target identity profile is a nested member.~~

53. (Canceled).